

We claim:

- 1        1.     A connector comprising:  
2        a first contact that contacts a conductor of a first circuit;  
3        a second contact that contacts a conductor of a second circuit; and  
4        a capacitor coupled between the first and second contacts whereby,  
5        the connector capacitively couples the conductor of the first circuit to the  
6        conductor of the second circuit.
- 1        2.     The connector of claim 1 further comprising an electrically insulative  
2        body encapsulating the capacitor and carrying the first and second contacts.
- 1        3.     The connector of claim 1 wherein one of the first and second contacts is  
2        a male contact.
- 1        4.     The connector of claim 1 wherein one of the first and second contacts is  
2        a female contact.
- 1        5.     The connector of claim 1 wherein the first and second contacts are  
2        disposed along a substantially common line.
- 1        6.     The connector of claim 1 wherein the first and second contacts are  
2        disposed substantially transverse to each other.
- 1        7.     The connector of claim 1 comprising a plurality of first contacts, a like  
2        plurality of second contacts, and a like plurality of capacitors, each capacitor coupled  
3        between a different respective pair of the first and second contacts.
- 1        8.     The connector of claim 7 wherein the plurality of first contacts and the  
2        plurality of second contacts lie in a substantially common plane.
- 1        9.     The connector of claim 8 comprising plural contact sets of the plurality  
2        of first and second contacts lying in a substantially common plane.
- 1        10.    The connector of claim 9 wherein the plural contact sets are disposed  
2        substantially parallel to each other.
- 1        11.    The connector of claim 1 wherein one of the first and second circuits is  
2        an integrated circuit.

1           12.    The connector of claim 1 wherein one of the first and second circuits is  
2 a printed circuitboard.

1           13.    A connector comprising:  
2           an insulative body;  
3           a first contact carried by the body that contacts a conductor of a first circuit;  
4           a second contact carried by the body that contacts a conductor of a second  
5 circuit; and  
6           a capacitor encapsulated within the body and coupled between the first and  
7 second contacts whereby,  
8           the connector capacitively couples the conductor of the first circuit to the  
9 conductor of the second circuit.

1           14.    The connector of claim 13 wherein one of the first and second contacts  
2 is a male contact.

1           15.    The connector of claim 13 wherein one of the first and second contacts  
2 is a female contact.

1           16.    The connector of claim 13 wherein the first and second contacts are  
2 disposed along a substantially common line.

1           17.    The connector of claim 13 wherein the first and second contacts are  
2 disposed substantially transverse to each other.

1           18.    The connector of claim 13 comprising a plurality of first contacts, a like  
2 plurality of second contacts, and a like plurality of capacitors, each capacitor coupled  
3 between a different respective pair of the first and second contacts.

1           19.    The connector of claim 18 wherein the plurality of first contacts and the  
2 plurality of second contacts lie in a substantially common plane.

1           20.    The connector of claim 19 comprising plural contact sets of the plurality  
2 of first and second contacts lying in a substantially common plane.

1           21.    The connector of claim 20 wherein the plural contact sets are disposed  
2 substantially parallel to each other.

1           22.    The connector of claim 13 wherein one of the first and second circuits is  
2 an integrated circuit.

1           23.    The connector of claim 13 wherein one of the first and second circuits is  
2 a printed circuitboard.

1           24.    A connector comprising:  
2           a plurality of first contact, each first contact contacting a respective one of a  
3 like plurality of conductors of a first circuit;  
4           a second like plurality of contacts, each second contact contacting a  
5 respective one of a like plurality of conductors of a second circuit; and  
6           a like plurality of capacitors coupled between respective pairs of the first and  
7 second contacts whereby,  
8           the connector capacitively couples each conductor of the first circuit to a  
9 corresponding respective conductor of the second circuit.

1           25.    The connector of claim 24 further comprising an electrically insulative  
2 body encapsulating the capacitor and carrying the first and second contacts.

1           26.    The connector of claim 24 wherein corresponding first and second  
2 contacts are disposed along a substantially common line.

1           27.    The connector of claim 24 wherein the first contacts and the second  
2 contacts are disposed substantially transverse to each other.

1           28.    The connector of claim 7 wherein the plurality of first contacts and the  
2 plurality of second contacts are divided into contact sets and wherein the first and  
3 second contacts of each contact set lie in a substantially common plane.

1           29.    The connector of claim 28 wherein the contact sets are disposed  
2 substantially parallel to each other.